| United States Patent [19] Shibayama et al. | | | [11] | Patent Number: | 5,057,324 | |
|--------------------------------------------|------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|---------------|--|
| | | | [45] | Date of Patent: | Oct. 15, 1991 | |
| [54] | KALLIKREIN INHIBITOR SUBSTANCE, A PROCESS FOR PREPARATION AND PHARMACEUTICAL COMPOSITIONS THEREOF | | [56] References Cited FOREIGN PATENT DOCUMENTS 0101515 9/1978 Japan | | | |
| [75] | Inventors: | Yoji Shibayama; Yoshio Toyomaki, both of Katoh, Japan | | 55-28943 2/1980 Japan . 0118711 7/1984 Japan | | |
| [73] [21] | Assignee: Appl. No.: | Nippon Zoki Pharmaceutical Co., Ltd., Osaka, Japan | Imai et al., "Inhibition of the Release of Gradykinin-Like Substances into the Perfusate of Rat Hind Paw by Neurotropin", Jpn. J. Pharmacol. 36(1):104-106 (1984); CA101:144825. | | | |
| [22] | Filed: | Jul. 20, 1988 n Application Priority Data | Assistant Attorney, | Examiner—Douglas W. R Examiner—Jean C. Witz Agent, or Firm—Armstro ein, Kubovick & Murray | ng, Nikaido, | |
| | Foreig 1. 23, 1987 [J] | •• | [57] | ABSTRACT | | |
| [51] [52] | Int. Cl. ⁵ | | A physiologically active substance is extracted from infected tissues inoculated with a poxvirus. The novel substance of the present invention has inhibitory action against the formation of kallikrein, thus is useful as drugs such as antiinflammatory, analgesic and antiallergic agents. | | | |
| | | 574/21 | | 8 Claims, No Draw | rings | |